

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-V EXAMINATION – SUMMER 2025****Subject Code:3152210****Date:13-05-2025****Subject Name:Industrial Management****Time:02:30 PM TO 05:00 PM****Total Marks:70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Simple and non-programmable scientific calculators are allowed.

		MARKS
Q.1	(a) List different components of industrial management.	03
	(b) What are the objectives of production planning?	04
	(c) Describe : 1) AOA system 2) AON system	07
Q.2	(a) What is the need of industrial management?	03
	(b) Define reliability. Also explain the importance of reliability in product design.	04
	(c) Differentiate between CPM and PERT.	07
	OR	
	(c) Explain the process of establishing standards.	07
Q.3	(a) Define 1) Optimistic time 2) Pessimistic time 3) Most likely time	03
	(b) Why production control is required in mining industry?	04
	(c) Explain the significance of scheduling process.	07
	OR	
Q.3	(a) List out advantages and disadvantages of quality control.	03
	(b) Write short note on gantt chart. Also list uses of gantt chart.	04
	(c) Describe the difficulties encountered in the construction of CPM chart and the use of dummy operations.	07
Q.4	(a) Write a note on calculation of average and expected time in PERT.	03
	(b) What is the need and objective of inspection department?	04
	(c) Enumerate the factors involved in forecasting. State the purpose of short term and long term forecasting.	07
	OR	
Q.4	(a) Briefly describe importance of customer feedback.	03
	(b) Explain the different types of material handling systems.	04
	(c) Describe the site selection process of a plant.	07
Q.5	(a) Explain the relationship between quality control and quality assurance.	03
	(b) Explain the types of marketing research.	04
	(c) Explain the flow pattern to be adopted for the movement of raw materials.	07
	OR	
Q.5	(a) List the analytical tools of plant layout.	03
	(b) Explain the buyer behavior and marketing strategies.	04
	(c) Describe in detail Quality Management System.	07
